

	Type	L #	Hits	Search Text
1	BRS	L1	49580	cox or cyclooxygenase
2	BRS	L2	2251	"1.9" near10 (kb)
3	BRS	L3	100	l1 and l2
4	BRS	L4	96	l3 and (inhibit or inhibitor)
5	BRS	L5	29	l4 and (reporter near3 gene)
6	BRS	L6	7881	cyclooxygenase
7	BRS	L7	7543	l6 and (inhibit or inhibitor or modulate or modulator)
8	BRS	L8	477	l7 and (reporter near3 gene)
9	BRS	L9	170	l8 and "1.9"
10	BRS	L10	409	l8 and (galactosidase or luciferase)
11	BRS	L11	248	l8 and ((galactosidase or luciferase) near10 reporter)
12	BRS	L13	41	(cyclooxygenase or cox) near10 ((galactosidase or luciferase))
13	BRS	L12	10	(cyclooxygenase or cox) near10 ((galactosidase or luciferase) near10 reporter)
14	BRS	L14	40	(l12 or l13) and (inhibitor or inhibit or modulate or modulator)
15	BRS	L15	13	98/37235
16	BRS	L16	99	"37235"
17	BRS	L17	3	dannenberg and pasco

RESULT 1
 HSU44805
 LOCUS HSU44805 1979 bp DNA linear PRI 02-FEB-1996
 DEFINITION Human prostaglandin H synthase type 2 (PHS-2) gene, promoter
 sequence and partial cds.
 ACCESSION U44805
 VERSION U44805.1 GI:1174223
 KEYWORDS .
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1979)
 AUTHORS Kutchera,W.A., Jones,D.A., Matsunami,N., Groden,J., McIntyre,T.M.,
 Zimmerman,G.A., White,R.L. and Prescott,S.M.
 TITLE Prostaglandin H synthase-2 is expressed abnormally in human colon
 cancer: evidence for a transcriptional effect
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. (1996) In press
 REFERENCE 2 (bases 1 to 1979)
 AUTHORS Kutchera,W.A.
 TITLE Direct Submission
 JOURNAL Submitted (05-JAN-1996) William A. Kutchera, Human Molecular
 Biology and Genetics, University of Utah, Building 533, Salt Lake
 City, UT 84112, USA
 FEATURES
 source Location/Qualifiers
 1. 1979
 /organism="Homo sapiens"
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 promoter 1. 1976
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 CDS 1977. .>1979
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ORIGIN

Query Match 97.3%; Score 1851; DB 9; Length 1979;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1901; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGATTCTAACATGGCTTCTAACCCAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 60
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 Db 46 GGATTCTAACATGGCTTCTAACCCAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 105
 Qy 61 TTTCAGTAGATGCAACCTACTCCTTTAAATGAAACAGAAGATTGAAATTATTAAATTAT 120
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 Db 106 TTTCAGTAGATGCAACCTACTCCTTTAAATGAAACAGAAGATTGAAATTATTAAATTAT 165

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Qy	181	AGGAGTGCCATAAATGGAATGATGAAATATGACTAGAGGAGGAGAAAGGCTTCCTAGATG	240
Db	226	AGGAGTGCCATAAATGGAATGATGAAATATGACTAGAGGAGGAGAAAGGCTTCCTAGATG	285
Qy	241	AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACTACTAAGCAAAACA	300
Db	286	AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACTACTAAGCAAAACA	345
Qy	301	GTTAAAAAACCCTCCAAGTGAGTCTCTTATTTATTTTTTTCTTATAAGACTTCTACA	360
Db	346	GTTAAAAAACCCTCCAAGTGAGTCTCTTATTTATTTTTTTCTTATAAGACTTCTACA	405
Qy	361	AATTGAGGTACCTGGTGTAGTTTTATTTTTCAGGTTTTATGCTGTCATTTTCTGTAATGCT	420
Db	406	AATTGAGGTACCTGGTGTAGTTTTATTTTTCAGGTTTTATGCTGTCATTTTCTGTAATGCT	465
Qy	421	AAGGACTTAGGACATAACTGAATTTTCTATTTTCCACTTCTTTTCTGGTGTGTGTGTATA	480
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Qy	661	AATAGAAAATTAGCCCCAATAAGCCAGGCAACTGAAAAGTAAATGCTATGTTGTACTTT	720
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Qy	781	TTAAACCTCGAATTTATTTTACCAGTATCTCCTATGAAGGGCTAGTAACCAAAATAATCC	840
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Qy	1081	TTTCTTCTGTTGAAAGCAACTTAGCTACAAAGATAAATTACAGCTATGTACTGAAGGT	1140
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Qy	1141	AGCTATTTTCATTCCACAAAATAAGAGTTTTTTAAAAAGCTATGTATGTATGTCTGCATA	1200
Db	1186	AGCTATTTTCATTCCACAAAATAAGAGTTTTTTAAAAAGCTATGTATGTATGTCTGCATA	1245
Qy	1201	TAGAGCAGATATACAGCCTATTAAGCGTCGTCACTAAAAACATAAAACATGTCAGCCTTTC	1260
Db	1246	TAGAGCAGATATACAGCCTATTAAGCGTCGTCACTAAAAACATAAAACATGTCAGCCTTTC	1305
Qy	1261	TTAACCTTACTCGCCCCAGTCTGTCCCGACGTGACTTCCTCGACCCTCTAAAGACGTACA	1320
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Qy	1321	GACCAGACACGGCGGCGGCGGGAGAGGGGATTCCCTGCGCCCCCGGACCTCAGGGCC	1380
Db	1366	GACCAGACACGGCGGCGGCGGGAGAGGGGATTCCCTGCGCCCCCGGACCTCAGGGCC	1425
Qy	1381	GCTCAGATTCTGGAGAGGAAGCCAAGTGTCTTCTGCCCTCCCCCGGTATCCCATCCAA	1440
Db	1426	GCTCAGATTCTGGAGAGGAAGCCAAGTGTCTTCTGCCCTCCCCCGGTATCCCATCCAA	1485
Qy	1441	GGCGATCAGTCCAGAACTGGCTCTCGGAAGCGCTCGGGCAAAGACTGCGAAGAAGAAAAG	1500
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Qy	1501	ACATCTGGCGGAAACCTGTGCGCCTGGGGCGGTGGAACCTCGGGGAGGAGAGGGAGGGATC	1560
Db	1546	ACATCTGGCGGAAACCTGTGCGCCTGGGGCGGTGGAACCTCGGGGAGGAGAGGGAGGGATC	1605
Qy	1561	AGACAGGAGAGTGGGGACTACCCCTCTGCTCCCAAATTGGGGCAGCTTCCTGGGTTTCC	1620
Db	1606	AGACAGGAGAGTGGGGACTACCCCTCTGCTCCCAAATTGGGGCAGCTTCCTGGGTTTCC	1665
Qy	1621	GATTTTCTCATTTCCGTGGGTAAAAAACCTGCCCCACCGGGCTTACGCAATTTTTTTA	1680
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Qy	1681	AGGGGAGAGGAGGGAAAAATTTGTGGGGGTACGAAAAGGCGGAAAGAAACAGTCATTTTC	1740
Db	1726	AGGGGAGAGGAGGGAAAAATTTGTGGGGGTACGAAAAGGCGGAAAGAAACAGTCATTTTC	1785
Qy	1741	GTCACATGGGCTTGGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1800
Db	1786	GTCACATGGGCTTGGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1845
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Db 1846 TGTCATACGACTTGTCAGTGAGCGTCAGGAGCACGTCCAGGAACTCCTCAGCAGCGCCTCC 1905

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